

March 9, 2022

### **NOTICE TO CONTRACTORS**

Sealed bids will be received by the South Dakota Department of Transportation until **1:30 pm, Tuesday, March 29, 2022** at which time they will be opened for the following project(s):

<b>Project Number</b>	<b>PCN</b>	<b>County</b>	<b>Type of Work</b>	<b>Area Engineer</b>
000i-171 000i-172	i6LV i6LW	Deuel, Moody & Roberts	Pollinator Habitat Vegetation Control.	Matt Brey (605-882-5166)

Should you have questions you are encouraged to contact Area Engineer listed for the project.

### **AVAILABILITY OF PLANS AND PROPOSALS:**

Specifications and proposal forms are available at the Aberdeen Regional Office and at the following website: <https://apps.sd.gov/HC65BidLetting/RegionDefault.aspx>

The DOT-123 form provided within the proposal document is for information only. Do not use for bidding purposes. Bids submitted on the enclosed DOT-123 form will be considered void and will not be accepted by the department. Please email the Aberdeen Region office for the DOT-123 form that can be used for bidding purposes to the following:

[Scott.Schneider@state.sd.us](mailto:Scott.Schneider@state.sd.us) and [Michael.Welch@state.sd.us](mailto:Michael.Welch@state.sd.us)

The email request for the DOT-123 form shall include the following information, so that the SDDOT can maintain a list of prospective bidders for this project and to maintain a contact list for future region lettings:

**Company Name**  
**Mailing Address**  
**Phone Number**

Addendums, if any, will be made available on-line at the above website, no later than **48 hours** prior to opening bids. It will be the Contractor's responsibility to check for addendums prior to submitting bids.

### **CONTENT OF BIDS:**

Returned Bids shall include the following ORIGINAL SIGNATURE items all signed in ink:

1. A notarized Contract Proposal (DOT-123). Non-signature items shall be typed or completed in ink.

Bids shall be in sealed envelopes and clearly marked on the outside with the words "BID ENCLOSED" and the letting to which the bid applies. Proposals faxed to the office will not be accepted.

<i>If hand delivering or using a package delivery service, address the envelope:</i>	<i>If using the US Postal Service, address the envelope:</i>
<b>Mark Peterson, Region Engineer</b> <b>Department of Transportation</b> <b>2735 West Highway 12</b> <b>Aberdeen, SD 57401</b>	<b>Mark Peterson, Region Engineer</b> <b>Department of Transportation</b> <b>P.O. Box 1767</b> <b>Aberdeen, SD 57402-1767</b>

Bidders will be required to fill out the blank spaces in the proposal form correctly. The bidder must fill in a unit price for each bid item shown on the proposal form. Bidders will also be required to carry out extensions and determine the "Total or Gross Sum Bid" as indicated in the proposal. The total of any proposal, as determined by the bidder, will be used only for a comparison when bids are publicly opened and read, and any errors noted in extensions or totals will be corrected to determine the "Total or Gross Sum Bid" of any proposal.

Failure to properly carry out any of the above requirements is deemed as sufficient reason to reject any proposal.

**BONDING & INSURANCE:**

A **bid bond** will not be required.

A **performance bond** will not be required.

**MISCELLANEOUS:**

Any person engaged in highway construction work in the State of South Dakota must obtain a motor fuel highway contractor tax license.

The Department of Transportation in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, national origin, sex, age or disability in consideration for an award.

**The Contractor, by signing and submitting a bid or proposal, agrees to provide services in compliance with the Americans with Disabilities Act of 1990.**

The Department of Transportation reserves the right to reject any and all bids.

Sincerely,

DEPARTMENT OF TRANSPORTATION

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Mark Peterson  
Aberdeen Region Engineer

cc:  
C. Bennett  
J. Hansen  
[M. Brey](#)  
File

**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION  
CONTRACT PROPOSAL**

DOT-123  
February 2021  
1 of 2

CODE	PROJECT			MAINT UNIT	CONTROL REFERENCE	AFE	FUNCTION	BEGIN MRM	END MRM
	PRE	ROUTE	AGR						
		000i		171		i6LV	2305		
		000i		172		i6LW	2305		

**CITY AND/OR COUNTY:** Deuel, Moody & Roberts **BUDGET SOURCE:** FY22 Contract Maintenance

**REGION MATERIALS CERTIFICATION REQUIRED:**  YES  NO **WIP #:** \_\_\_\_\_  
**CERTIFIED INSPECTORS/TESTERS REQUIRED:**  YES  NO  
**TO BE INSTALLED ON CM&P:**  YES  NO

**TYPE, PURPOSE AND LOCATION OF WORK:** Control undesirable vegetation and dormant seeding at the 5 Pollinator Habitat locations located in the Rest Areas along I-29, per the attached 14 page specification document.

**ESTIMATE OF QUANTITIES AND COST for 000i-171, PCN i6LV**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
009E0197	Mobilization 1 (Hidewood NB & SB)	6	Each		
009E0198	Mobilization 2 (Ward)	6	Each		
730E0251	Special Permanent Seed Mixture 1	28	Lb		
900E9090	Equipment Rental	Lump Sum	LS	Lump Sum	
910E0030	Round Up	110	OZ		
910E0050	Plateau	200	OZ		
910E0070	Rodeo	10	OZ		
910E0085	Milestone	15	OZ		
910E0112	Arsenal	5	OZ		
910E0114	Intensity One	10	OZ		
910E0197	Surfactant	55	OZ		
910E1050	ATV/Sprayer	25	Hour		
910E1060	Labor	45	Hour		
<b>TOTAL</b>					

**ESTIMATE OF QUANTITIES AND COST for 000i-172, PCN i6LW**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
009E0199	Mobilization 3 (Glacial Lakes & Wilmot)	3	Each		
910E0030	Round Up	175	OZ		
910E0050	Plateau	430	OZ		
910E0070	Rodeo	15	OZ		
910E0085	Milestone	30	OZ		
910E0112	Arsenal	10	OZ		
910E0114	Intensity One	15	OZ		
910E1050	ATV/Sprayer	55	Hour		
910E1060	Labor	85	Hour		
<b>TOTAL</b>					
<b>TOTAL FOR BOTH PROJECTS</b>					

**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION  
CONTRACT PROPOSAL**

DOT-123  
February 2021  
2 of 2

CODE	PROJECT			MAINT UNIT	CONTROL REFERENCE	AFE	FUNCTION	BEGIN MRM	END MRM
	PRE	ROUTE	AGR						
		000i		171		i6LV	2305		
		000i		172		i6LW	2305		

This document is for

**CONTRACTOR'S PROPOSAL STATEMENT**

The undersigned agrees to offer the labor and material in the quantities, at the unit price, for the purpose, in the place, and in accordance with attached provisions. The Contractor will provide services in compliance with the Americans with Disabilities Act of 1990 and any amendments.

<p><b>SUBSTANTIAL COMPLETION DATE</b> _____ <b>N/A</b></p> <p><b>FIELD WORK COMPLETION DATE</b> <u>November 23, 2022</u></p> <p><b>SUBSCRIBED AND SWORN TO BEFORE ME THE</b>          _____          DAY OF _____, 20__</p> <p><b>NOTARY</b> _____          My Commission Expires: _____</p> <p>DATE _____ (SEAL)</p>	<p><b>PROPOSED START DATE</b> _____</p> <p><b>SIGNATURE</b> _____</p> <p><b>PRINTED NAME</b> _____</p> <p><b>COMPANY</b> _____</p> <p><b>STR. ADDRESS</b> _____</p> <p><b>CITY, STATE, ZIP</b> _____</p> <p><b>PHONE NUMBER</b> _____</p> <p><b>FEDERAL TAX ID NUMBER</b> _____</p>
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Information only.

**TO BE FILLED OUT BY STATE PERSONNEL:**

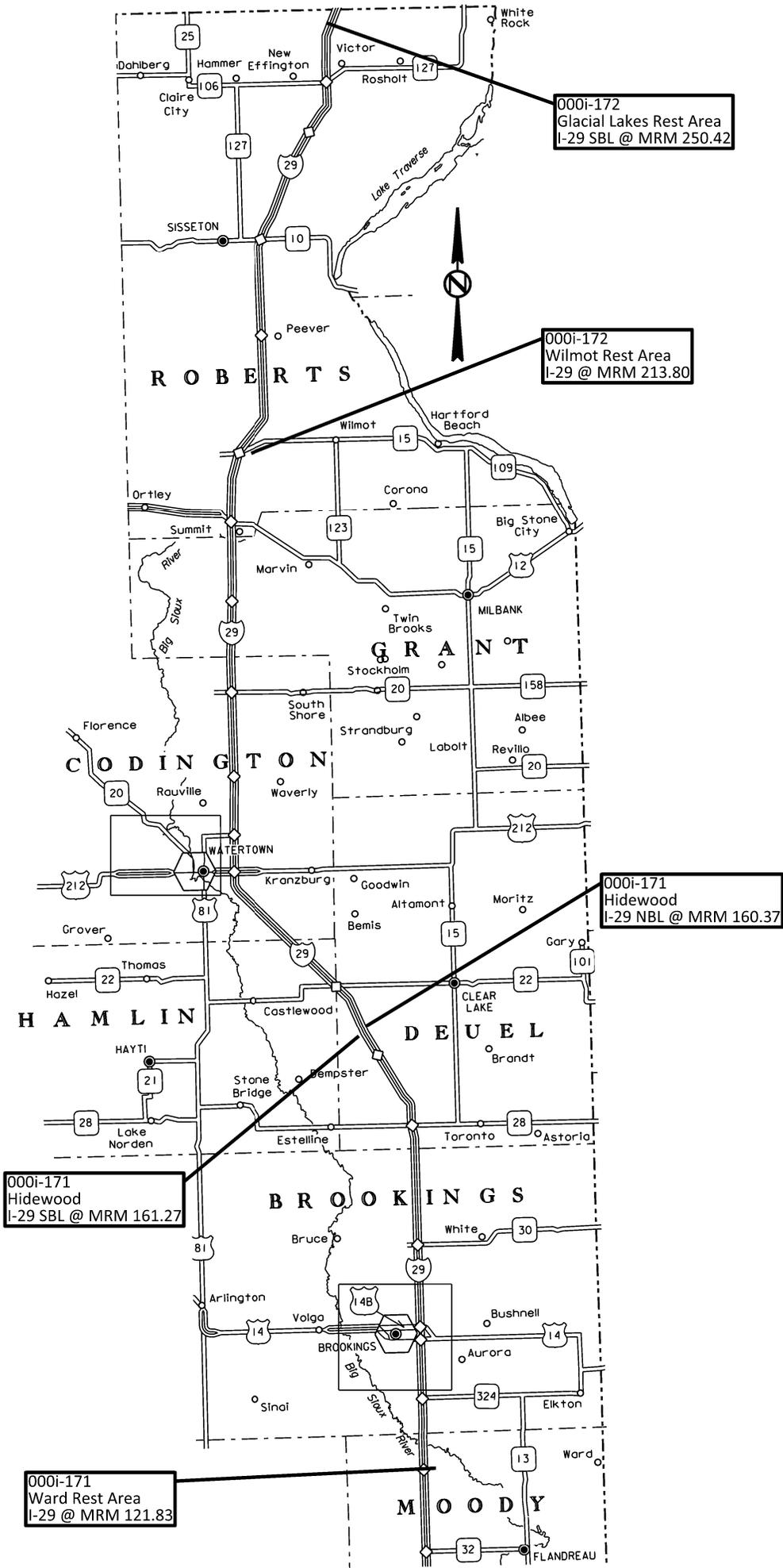
The parties agree that the Department of Transportation may execute this contract by electronic signature.

<b>RECOMMENDED FOR APPROVAL:</b>		
	<b>CONSTRUCTION &amp; MAINTENANCE ENGINEER</b>	<b>DATE</b>
<b>AREA / REGION / OPS ENGINEER</b>	<b>DATE</b>	<b>DIRECTOR OF OPERATIONS</b>
		<b>DATE</b>
	<b>INTERNAL SERVICES / AUDITS</b>	<b>DATE</b>

<b>ACCEPTED BY SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION</b>		
<b>NAME</b>	<b>TITLE</b>	<b>DATE</b>
<b>IF FEDERAL FUNDS WILL BE EXPENDED UNDER THIS AGREEMENT, ACCEPTANCE BY PROJECT DEVELOPMENT IS REQUIRED</b>		
<b>PROJECT DEVELOPMENT ENGINEER</b>	<b>DATE</b>	

Do not use for bidding

purposes.



## TABLE OF INFORMATIONAL QUANTITIES FOR POLLINATOR HABITAT VEGETATION CONTROL

### 000i-171, PCN i6LV, Deuel & Moody Counties, Hidewood NB & SB and Ward Rest Areas Estimate of Quantities

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0197	Mobilization 1 (Hidewood NB & SB)	6	Each
009E0198	Mobilization 2 (Ward)	6	Each
730E0251	Special Permanent Seed Mixture 1	28	Lb
900E9090	Equipment Rental	Lump Sum	LS
910E0030	Round Up	110	Oz
910E0050	Plateau	200	Oz
910E0070	Rodeo	10	Oz
910E0085	Milestone	15	Oz
910E0112	Arsenal	5	Oz
910E0114	Intensity One	10	Oz
910E0197	Surfactant	55	Oz
910E1050	ATV/Sprayer	25	Hour
910E1060	Labor	45	Hour

### 000i-172, PCN i6LW, Roberts County, Wilmot and Glacial Lakes Rest Areas Estimate of Quantities

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0199	Mobilization 3 (Glacial Lakes & Wilmot)	3	Each
910E0030	Round Up	175	Oz
910E0050	Plateau	430	Oz
910E0070	Rodeo	15	Oz
910E0085	Milestone	30	Oz
910E0112	Arsenal	10	Oz
910E0114	Intensity One	15	Oz
910E1050	ATV/Sprayer	55	Hour
910E1060	Labor	85	Hour

# Pollinator Habitat Maintenance Specifications

## Scope of Work

The work will consist of controlling undesirable vegetation at 5 locations along I-29. The 5 locations are Interstate Rest Areas. Refer to title sheet for the 5 locations. Pollinator Habitat was planted at these 5 locations in 2018 and vegetation control via the application of herbicides is required to control undesirable vegetation.

Herbicides application may be required several times during the growing season. An early season application prior to May 15 can be anticipated. A late season application after September 15 can be anticipated. A minimal amount of herbicide application is anticipated from May 15 through September 15.

Dormant seeding is required at 2 locations on this contract.

Hand trimming (weed eating) may be required. Typically this work will be required along fence lines.

The SDDOT has retained the services of a Consulting Landscape Architect, who performs inspections of the 5 locations. The requirements for herbicide application and the type of application will be determined via these periodic inspections.

The periodic inspection reports will be furnished to the Contractor via email. The Contractor will be available to make a timely application of herbicides and the application will be completed within 10 calendar days of notification. If mowing is required before application of herbicide, the Contractor will be notified of when the mowing is anticipated to be completed. Mowing will be done by SDDOT forces. Refer to Attachment A for a typical map that will be prepared by the Consulting Landscape Architect following the inspections and provided to the Contractor. Attachment B maps provide a general layout of each rest area and the general 2022 calendar year plan for each rest area.

Where dormant seeding is required, the following is the schedule for completing herbicide application and dormant seeding:

- First herbicide (Roundup) application during the week of September 6<sup>th</sup> -9<sup>th</sup>.
- Second herbicide (Roundup) application September 26<sup>th</sup> -30<sup>th</sup>.
- Third herbicide (Roundup) application October 17<sup>th</sup> -21<sup>st</sup>.
- Dormant seeding between November 7<sup>th</sup> through 18<sup>th</sup>.

There will be a minimum of a 10 day waiting period between applications of herbicide (Roundup) and also a 10 day waiting period between the third herbicide (Roundup) application and the dormant seeding.

The Contractor does hereby agree to furnish the necessary equipment, materials and labor to control the growth of undesirable vegetation. 4 types of herbicide application are required via this contract. Spot Hand Spraying, Spot Hand Wicking, Boom Spraying, and Boom Wicking may be required as part of this contract.

## Herbicides

The following is the expected herbicides and the expected uses. This list should not be considered to include all uses for herbicide application.

Plateau herbicide is expected to be used at all 5 locations in the spring to control smooth brome grass and thistles, and may be used again in the fall to control leafy spurge.

Roundup herbicide is expected to be used at the Ward and Southbound Hidewood Rest Areas prior to dormant seeding. Glacial Lakes Rest Area may also require application to control Cattail and Phragmites. Application of an aquatic surfactant will be required if used to control Cattail and Phragmites.

Milestone herbicide is expected to be used to control thistles in the fall.

Other herbicides have been included in the contract with small quantities to establish a contract unit price for these items, should their use be required on this contract.

The Contractor may use an approved equal to the brand names listed in the estimate of quantities. The approved equal must have the same active ingredients, and the labeled instructions must be followed.

# Pollinator Habitat Maintenance Specifications

## **Spraying/Wicking**

The spraying/wicking will consist of spot treatments and will be accomplished by using the herbicides specified on the contract with applicable rates as recommended by the manufacturer. If a herbicide is needed that is not on this contract, the type and price will be negotiated and added by Change Order, prior to use of the herbicide.

The Contractor agrees to indemnify, save, and hold harmless the Department and all its employees and agents, from any and all claims, demands, actions or cause of action of whatsoever nature or character arising out of, or by reason of, the execution of performance of the work provided for under the contract whether or not the Contractor itself is negligent or otherwise culpable. The Contractor further agrees to defend at its own sole cost and expense any action or proceeding commenced for the purpose of asserting any claim on whatsoever nature or character arising under this contract whether or not the Contractor is itself negligent or otherwise culpable. This section does not require the Contractor to be responsible for or defend against claims or damages arising solely from acts or omissions of the State, its officers or employees.

The spraying/wicking will be accomplished by personnel properly licensed by the South Dakota Department of Agriculture.

The Contractor will advise the local Maintenance Supervisor of the intent to apply herbicides, 48 hours prior to doing so. The Maintenance Supervisor for the Ward and Hidewood Rest Areas is Calvin Esche (605-881-7163). The Maintenance Supervisor for the Wilmot and Glacial Lakes Rest Areas is Brian Chase (605-881-7183).

The Contractor will complete the attached daily form (DOT 820) "Contract Daily Pesticide Application Record" (Exhibit B), furnished by the Department, after each day of herbicide application. Each of the 5 locations will be separately tracked and documented.

The Contractor will provide the Area Engineer Matt Brey ([Matt.Brey@state.sd.us](mailto:Matt.Brey@state.sd.us)) with a complete copy of the daily form (DOT 820) at the end of herbicide application.

The Contractor will submit an invoice for payment to the Area Engineer. The invoice will be accompanied by the completed original daily form(s) DOT 820. Separate invoices may be submitted for the various herbicide applications, if the Contractor desires to do so.

Equipment used for spraying/wicking will be equipped with a flashing amber light. The light will be turned on and used at all times during application operation. Application will not interfere with the day to day operations of the rest area.

Herbicides will be applied uniformly with properly calibrated equipment.

## **Dormant Seeding**

Dormant seeding in the fall of the year at the Ward Rest Area and the Southbound Hidewood Rest Area will be required. Attachment B maps indicate the locations where dormant seeding is anticipated at each location.

A native seed drill will be required. A native seed drill with boxes for different sized seed (such as a Truax or Trillion type seeder) will be used for seed installation. The Contractor will ensure that there is sufficient seed to soil contact at planting depths between 0.25 and 0.5 inches.

# Pollinator Habitat Maintenance Specifications

## Dormant Seeding (Cont.)

Seed mixture approximate acreages and mixture are as follows:

Location	Estimated Approximate Acres
Hidewood South Bound	0.4
Ward	1.4

## Special Permanent Seed Mixture 1 (Short Warm Season Grasses):

Scientific Name	Common Name	PLS Pounds per Acre
<i>Bouteloua curtipendula</i>	Side oats grama	0.96
<i>Bouteloua gracilis</i>	Blue Grama	0.37
<i>Buchloe dactyloides</i>	Buffalo Grass	0.45
<i>Buchloe dactyloides</i> Var. Bowie	Buffalo Grass var Bowie	0.45
<i>Buchloe dactyloides</i> Var. Cody	Buffalo Grass var Cody	0.45
<i>Chamaecrista fasciculata</i>	Partridge Pea	4.43
<i>Coreopsis lanceolata</i>	Lance-Leaved Coreopsis	0.09
<i>Coreopsis tinctoria</i>	Plains coreopsis	0.03
<i>Dalea purpurea</i>	Purple Prairieclover	0.91
<i>Desmanthus illinoensis</i>	Bundleflower, Illnoen	0.36
<i>Echinacea purpurea</i>	Purple Coneflower	0.26
<i>Lolium multiflorum</i>	Annual Ryegrass	4.93
<i>Rudbeckia hirta</i>	Black Eyed Susan	0.12
<i>Schizachyrium scoparium</i>	Little Bluestem	0.28
<b>TOTAL</b>		<b>14.09</b>

The estimated quantity of seed shown on the DOT-123 has been increased by approximately 10%.

All seed will be inoculated with mycorrhizal inoculum. Mycorrhizal inoculum will consist of mycorrhizal fungi spores and mycorrhizal fungi-infected root fragments in a solid carrier. The carrier may include organic materials, calcinated clay, or other materials consistent with application and good plant growth. The supplier will provide certification of the fungal species claimed and the live propagule count. The inoculum will include the following fungal species:

- 25% *Glomus intraradices*
- 25% *Glomus aggregatum or deserticola*
- 25% *Glomus mosseae*
- 25% *Glomus etunicatum*

All seed will be inoculated by the seed supplier with a minimum of 100,000 live propagules of mycorrhizal fungi per acre. All costs of inoculating the seed will be incidental to the contract unit price per pound for the corresponding permanent seed mixture.

The mycorrhizal inoculum will be as shown below or an approved equal:

<u>Product</u>	<u>Manufacturer</u>
MycosApply	Mycorrhizal Applications, Inc. Grants Pass, OR Phone: 1-866-476-7800 <a href="http://www.mycorrhizae.com">www.mycorrhizae.com</a>
AM 120 Multi Species Blend	Reforestation Technologies Int. Gilroy, CA Phone: 1-800-784-4769 <a href="http://www.reforest.com">www.reforest.com</a>

# Pollinator Habitat Maintenance Specifications

## Seed Requirements

**A. General:** The seed will comply with the requirements of the South Dakota Seed Law.

**B. Origin Limitations:** Grass seed furnished will be the grass species listed in the plans. The Contractor may use one of the grass varieties listed in the plans for the specified grass species or the Contractor may use a different grass variety of the same grass species specified. If the Contractor uses a grass variety listed in the plans for the specified grass species, the grass seed origin limitations will not apply. If the Contractor uses a grass variety not listed in the plans for the specified grass species, the grass seed furnished must originate in South Dakota, North Dakota, Montana, Wyoming, Nebraska, Iowa, Minnesota, Kansas, Colorado, or Wisconsin. Grass seed grown outside this area may be approved after the Contractor has furnished written certification from three seed suppliers confirming seed grown within this area is not readily available.

Forb, sedge, rush, shrub, and wildflower seed must originate in the United States or Canada. Forb, sedge, rush, shrub, and wildflower seed grown outside the United States and Canada may be approved after the Contractor has furnished written certification from three seed suppliers confirming seed grown within the two countries is not readily available.

**C. Seed Testing:** Seed will be tested within 9 months prior to planting, exclusive of the calendar month in which the test was completed. Testing will be performed by a State Seed Lab, Commercial Seed Testing Lab, or a registered member of the Society of Commercial Seed Analysts (Registered Seed Technologist). A certified test report will be furnished prior to the start of seeding operations. If the seed is not planted within the 9 month period, the Contractor will have the seed retested for germination, as described above, and a current germination report with the certified test report will be furnished prior to starting seeding operations. The retest will be based on a sample obtained from the seed out of compliance.

**D. Labeling:** Each bag of seed delivered to the project will bear a tag which shows the following information:

1. Name and address of supplier.
2. County and project number for which seed is to be used.
3. Suppliers lot number for each kind of seed in the mixture.
4. Origin (where grown) for each kind of seed.
5. Purity, germination, and other information required by South Dakota Seed Law, for each kind of seed.
6. Pounds of bulk seed of each kind of seed in each bag.
7. Total pounds of bulk seed mixture in each bag.
8. Pounds of pure live seed (PLS) of each kind of seed in each bag.
9. Total pounds of PLS mixture in each bag.
10. Dormant seed and hard seed.

When bulk seed is referred to, it is defined as total seed, including PLS, inert matter, crop seed, and weed seed.

# Pollinator Habitat Maintenance Specifications

## Measurement and Payment

The contract unit price will be nonnegotiable regardless of changes in contract quantity.

The Contractor will be paid by the contract item "Mobilization 1" each time the Contractor is called to complete work at the Hidewood Northbound and Hidewood Southbound Rest Area locations. This bid item will only be paid one time if work is required at the same time at both locations.

The Contractor will be paid by the contract item "Mobilization 2" each time the Contractor is called to complete at the Ward Rest Area locations.

The Contractor will be paid by the contract item "Mobilization 3" each time the Contractor is called to complete work at the Glacial Lakes and Wilmot Rest Area locations. This bid item will only be paid one time if work is required at the same time at both locations.

The Contractor will be paid by the contract item "ATV/Sprayer" when Boom Spraying and/or Wicking is required.

The Contract item "Labor" will be measured and paid for when doing hand trimming, hand spray/wicking and/or when operating motorized spraying equipment. The Contract item "Labor" will not be paid when seeding.

The Contract item "Equipment Rental" will cover the cost of supplying the drill and power unit (tractor) for dormant seeding. This will be a one-time payment for dormant seeding. This one-time payment will be the same if dormant seeding is required at 1 location or multiple locations.

The Contract item "Special Permanent Seed Mixture 1" will be full compensation for the preparation of the seedbed (not including herbicide application), labor, tools, operating equipment, inoculant and its application, and incidentals necessary. "Special Permanent Seed Mixture 1" will be measured to the nearest pound of PLS furnished and planted. The weight of PLS is computed by multiplying the purity, times the sum of the germination and dormant seed value, times the weight of bulk seed applied. The purity, dormant seed, and germination values will be as shown on the bag tag.

## Contractor Qualifications

The bidder on this contract will meet all the following minimum requirements:

1. Be a South Dakota Licensed Applicator.
2. Have at least 3 years of experience of native vegetation management or ecological restoration.
3. Have a degree in biology, ecology, conservation management, landscape architecture, or equivalent natural resource degree.

The bidder will submit this proof documentation with the bid. Failure to provide documentation or not meeting the aforementioned qualifications may be grounds for rejecting of bids.

The applicator must meet the above 3 requirements or be directly on site supervised by someone who meets the above 3 requirements.

"Contract" Daily Pesticide Application Record

Date: \_\_\_\_\_ Contact No: \_\_\_\_\_

Customer: \_\_\_\_\_

Contractor: \_\_\_\_\_

SPRAYING ON THIS DATE WAS ACCOMPLISHED ON: INDICATE WHICH DITCH

Highway No: \_\_\_\_\_ From MRM \_\_\_\_\_ To MRM \_\_\_\_\_ N S E W OR MEDIAN

Highway No: \_\_\_\_\_ From MRM \_\_\_\_\_ To MRM \_\_\_\_\_ N S E W OR MEDIAN

Highway No: \_\_\_\_\_ From MRM \_\_\_\_\_ To MRM \_\_\_\_\_ N S E W OR MEDIAN

Highway No.	Type of Pesticide	Amount Used	Cost/Unit	Cost
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____

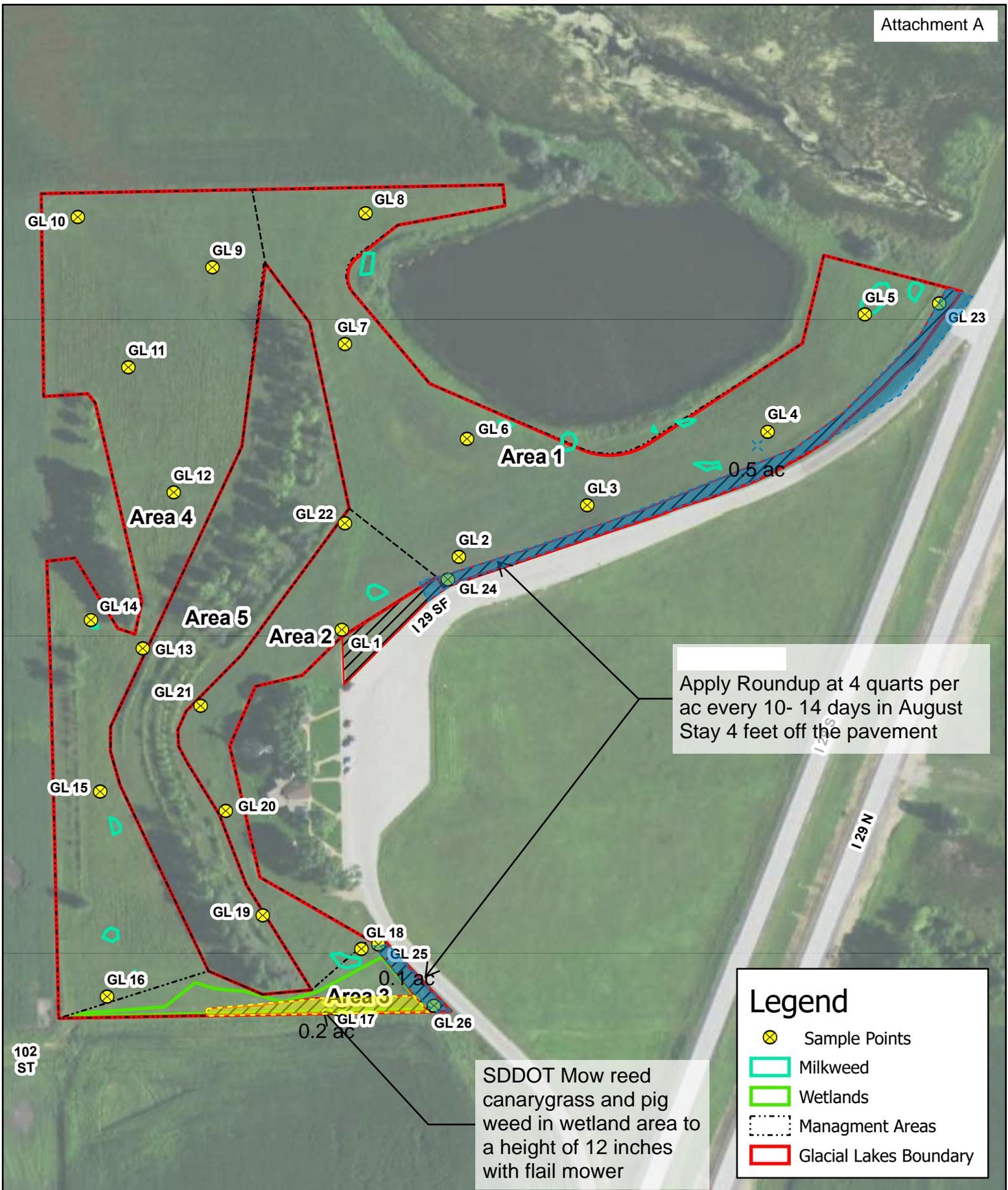
Highway No.	Employee Name	Hours Worked	Rate	Cost
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____

Highway No.	Equipment	Miles or Hours Worked	Rate	Cost
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____
_____	_____	X	_____ =	_____
			Total Cost	= _____

\_\_\_\_\_  
Sprayer Operator Signature

D.O.A. License Number: \_\_\_\_\_

THIS FORM WILL BE COMPLETED IN TRIPLICATE. ONE COPY WILL BE FORWARDED TO THE LOCAL MAINTENANCE UNIT FOREMAN, ONE TO BE RETAINED ON FILE BY THE COUNTY, AND ONE (ORIGINAL) TO ACCOMPANY THE COUNTY'S INVOICE TO THE STATE FOR PAYMENT.



Apply Roundup at 4 quarts per ac every 10- 14 days in August Stay 4 feet off the pavement

SDDOT Mow reed canarygrass and pig weed in wetland area to a height of 12 inches with flail mower

**Legend**

- ⊗ Sample Points
- Milkweed
- Wetlands
- Managment Areas
- Glacial Lakes Boundary



Convention Center Plaza  
1410 West Russell Street  
Sioux Falls, SD 57104-1328  
Phone: (605) 331-2505  
Fax: (605) 331-2602

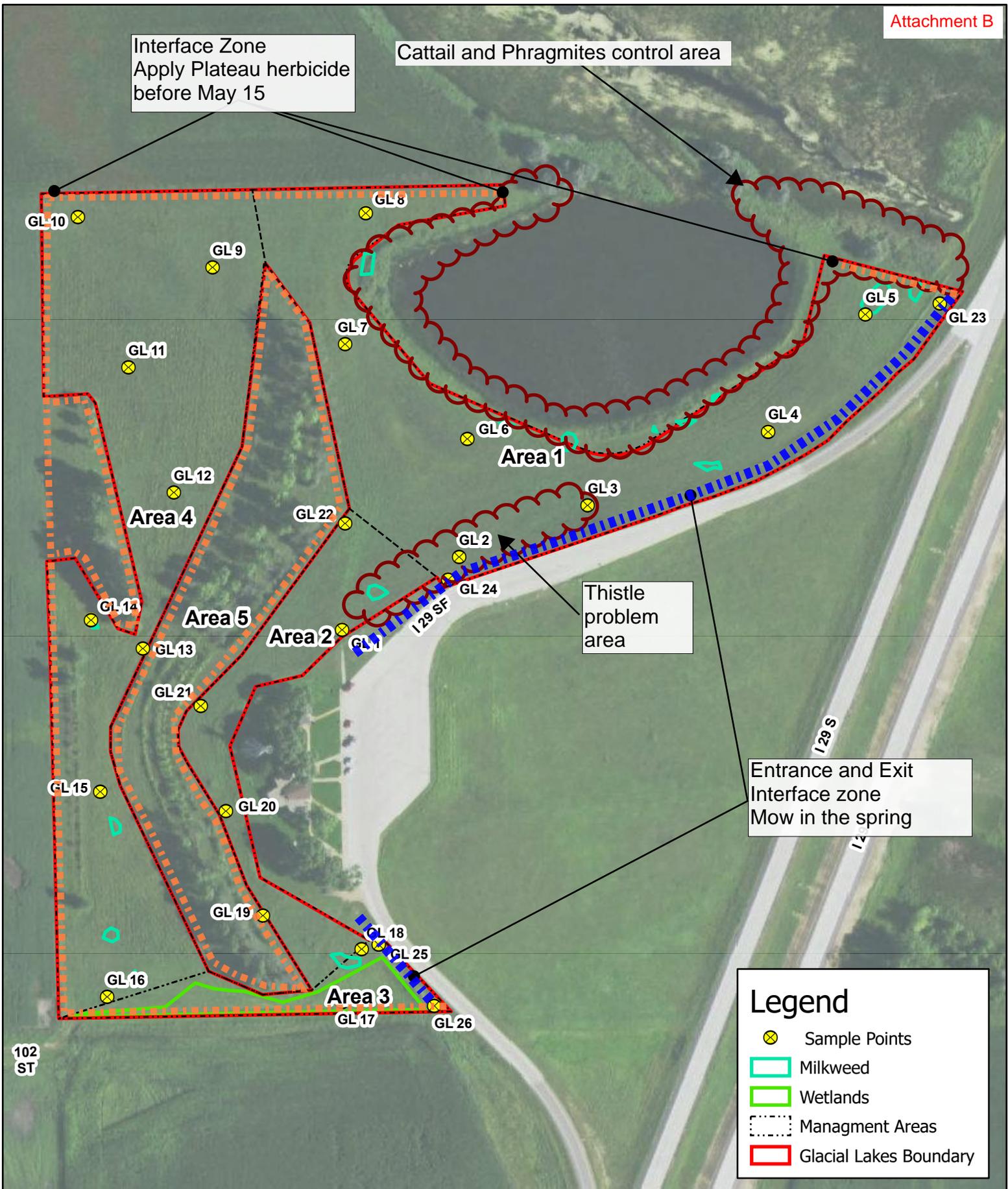
**Map 1: Glacial Lakes Rest Area**  
WO (OP-01-20) Project # 009-500 PCN I4I63W  
QA Inspection of Pollinator Plots



2020 Orthophotography  
Project: 21002021.01  
Date: 8/17/2021  
Created By: R. Wetzel

Interface Zone  
Apply Plateau herbicide  
before May 15

Cattail and Phragmites control area



102 ST

Area 3

Entrance and Exit  
Interface zone  
Mow in the spring

Thistle  
problem  
area

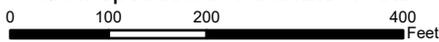
**Legend**

-  Sample Points
-  Milkweed
-  Wetlands
-  Management Areas
-  Glacial Lakes Boundary



Convention Center Plaza  
1410 West Russell Street  
Sioux Falls, SD 57104-1328  
Phone: (605) 331-2505  
Fax: (605) 331-2602

**Map 1: Glacial Lakes Rest Area**  
WO (OP-01-20) Project # 009-500 PCN I4I63W  
QA Inspection of Pollinator Plots




2020 Orthophotography  
Project: 21002021.01  
Date: 1/13/2022  
Created By: R. Wetzel

Management Area 3 new Interface zone. Apply Plateau herbicide before May 15

Interface Zone Apply Plateau herbicide before May 15

Management Area 2 new Interface zone. Apply Plateau herbicide before May 15

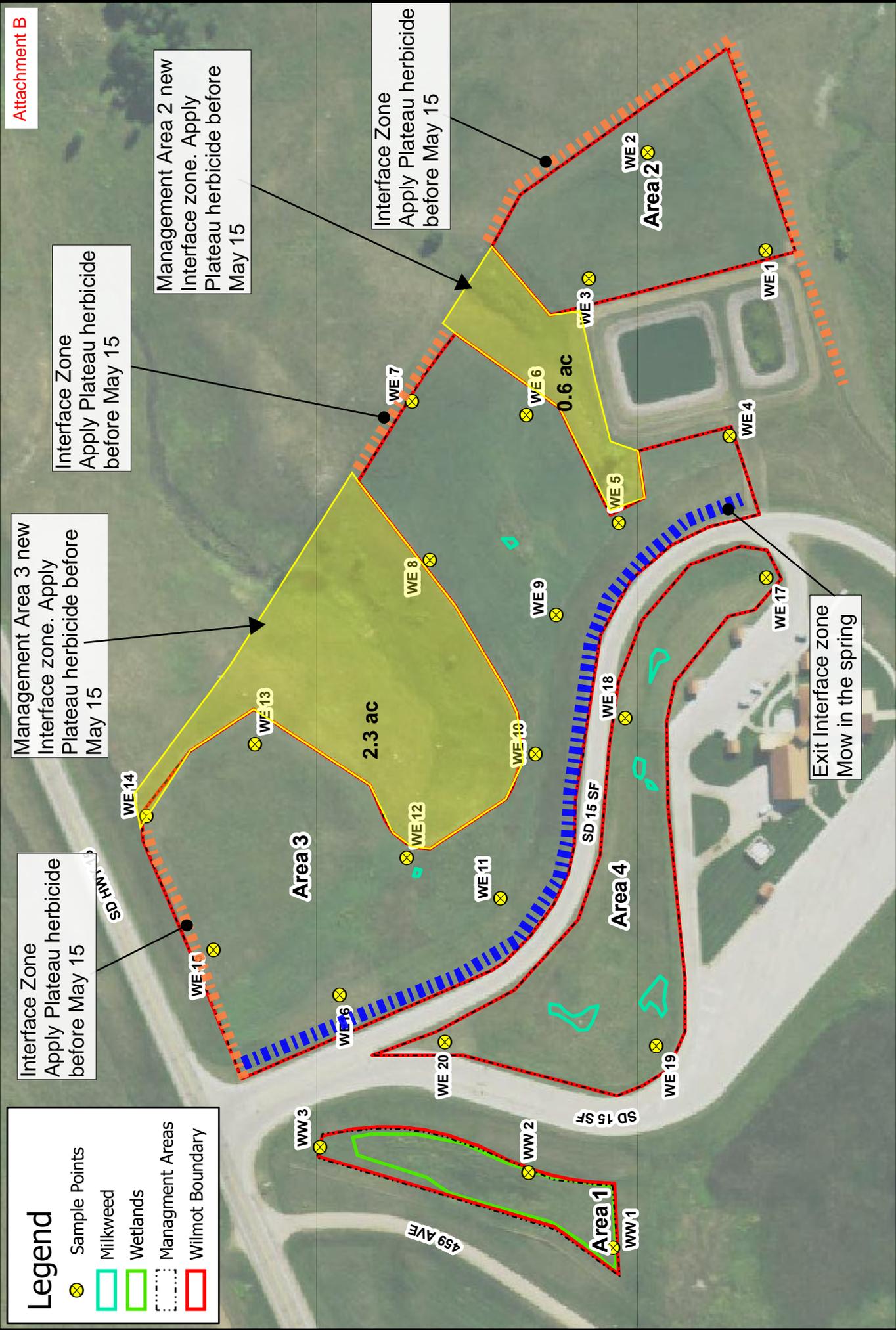
Interface Zone Apply Plateau herbicide before May 15

Interface Zone Apply Plateau herbicide before May 15

Exit Interface zone Mow in the spring

**Legend**

- Sample Points
- Milkweed
- Wetlands
- Management Areas
- Wilmot Boundary



2020 Orthophotography  
 Project: 21002021.02  
 Date: 1/13/2022  
 Created By: R. Wetzel

**Map 2: Wilmot Rest Area**  
 WO (OP-01-20) Project #009-500 PCN I4163W  
 QA Inspection of Pollinator Plots

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 Sioux Falls, SD 57104-1328  
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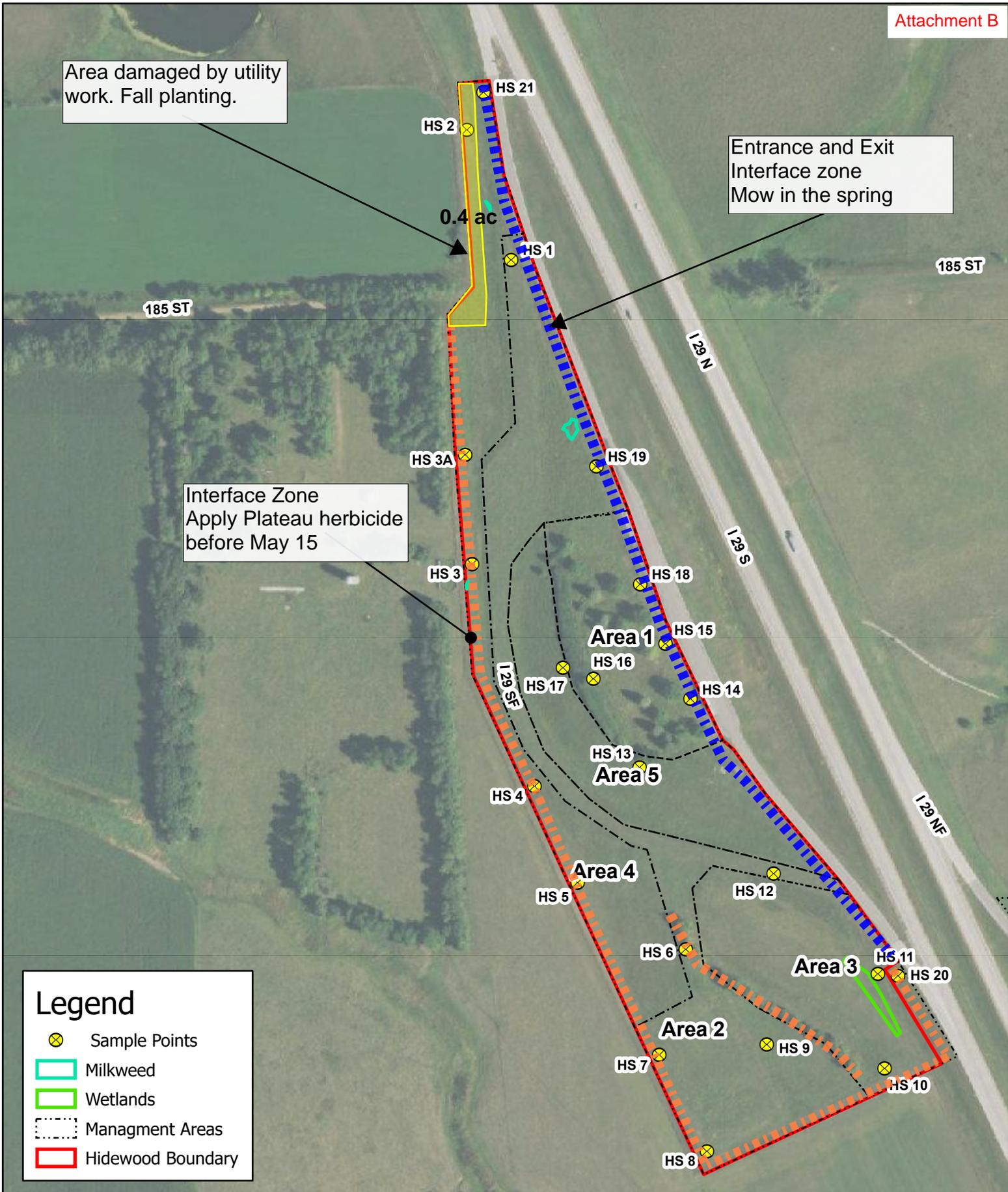
Area damaged by utility work. Fall planting.

Entrance and Exit Interface zone  
Mow in the spring

Interface Zone  
Apply Plateau herbicide  
before May 15

**Legend**

-  Sample Points
-  Milkweed
-  Wetlands
-  Management Areas
-  Hidewood Boundary



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**Map 3: Hidewood Southbound Rest Area**  
WO (OP-01-20) Project # 009-500 PCN I4I63W  
QA Inspection of Pollinator Plots



2020 Orthophotography  
Project: 21002021.03  
Date: 1/13/2022  
Created By: R. Wetzel

**Legend**

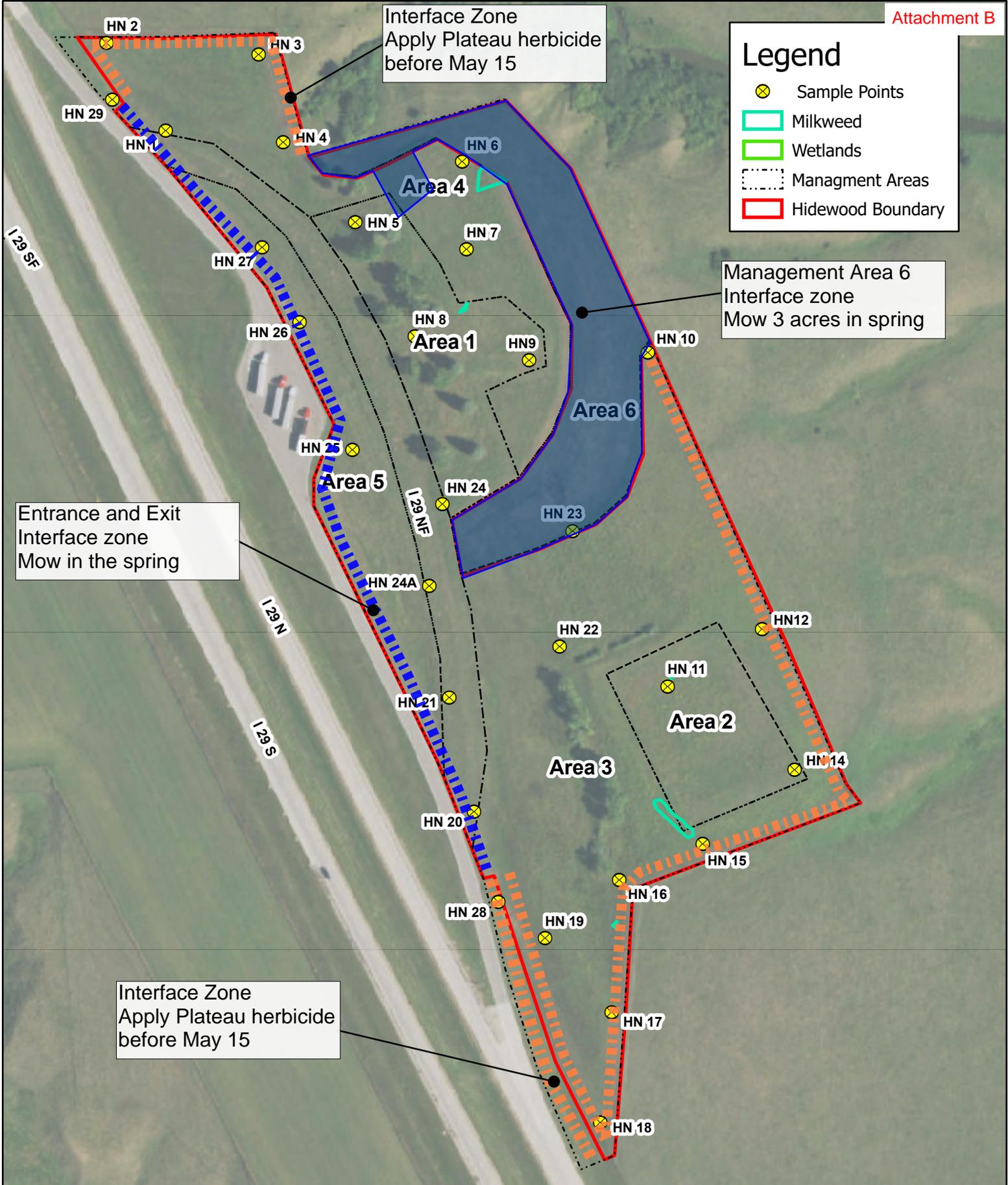
- Sample Points
- Milkweed
- Wetlands
- Management Areas
- Hidewood Boundary

Interface Zone  
Apply Plateau herbicide  
before May 15

Management Area 6  
Interface zone  
Mow 3 acres in spring

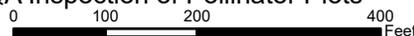
Entrance and Exit  
Interface zone  
Mow in the spring

Interface Zone  
Apply Plateau herbicide  
before May 15

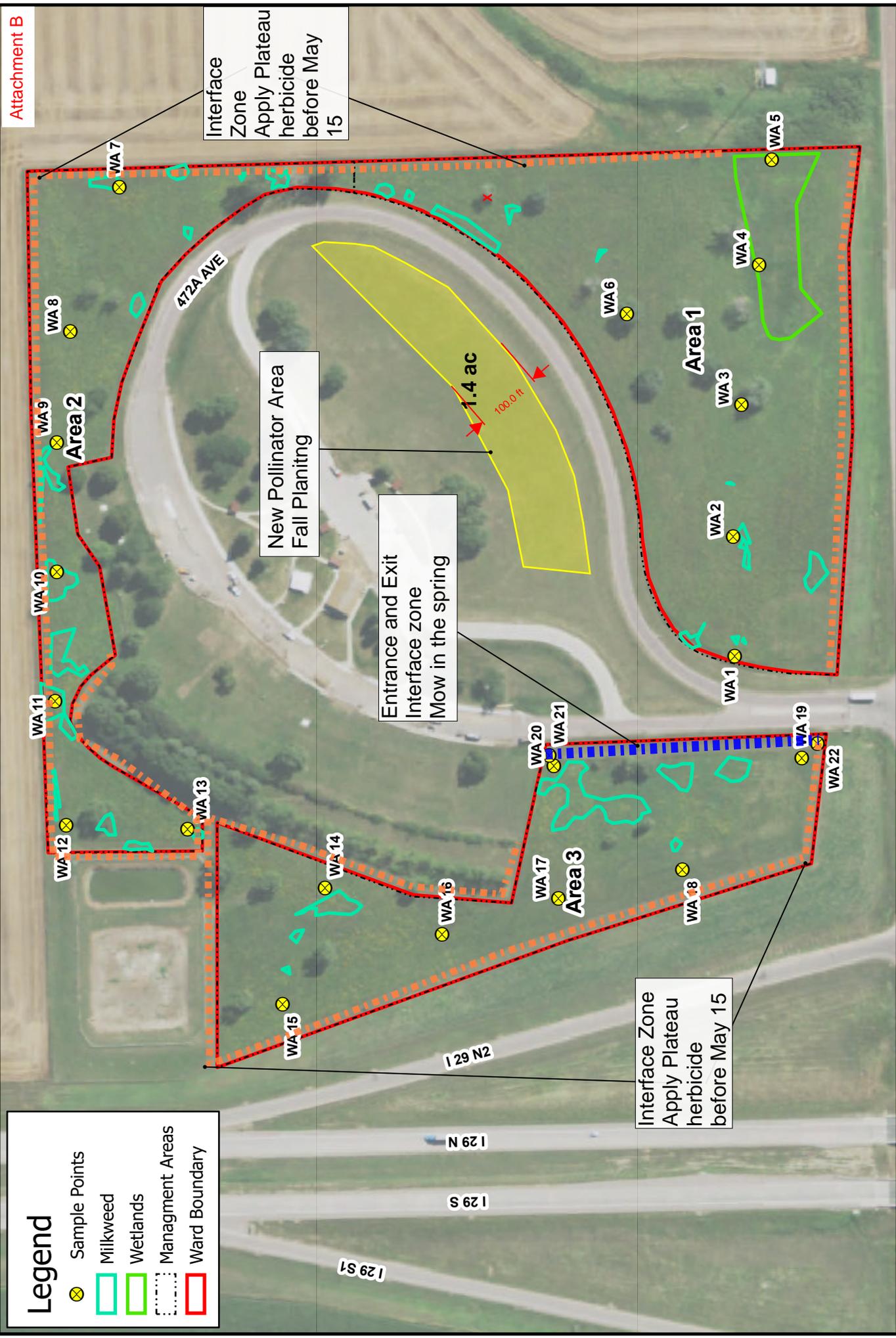


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**Map 4: Hidewood  
Northbound Rest Area**  
WO (OP-01-20) Project # 009-500 PCN I4I63W  
QA Inspection of Pollinator Plots



2020 Orthophotography  
Project: 21002021.04  
Date: 1/13/2022  
Created By: R. Wetzel



2020 Orthophotography  
 Project: 21002021.05  
 Date: 1/13/2022  
 Created By: R. Wetzel



**Map 5: Ward Rest Area**  
 WO (OP-01-20) Project #009-500 PCN I4163W  
 QA Inspection of Pollinator Plots

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